



FORM PTO-1449 (REV. 7-80)		U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE		ATTY. DOCKET NO. 430117.412C1		APPLICATION NO. 10/072,651	
INFORMATION DISCLOSURE STATEMENT (Use several sheets if necessary)				APPLICANTS John d'Arc Lorenz, II et al.			
				FILING DATE February 6, 2002		GROUP ART UNIT 1724	
U.S. PATENT DOCUMENTS							
*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
AS	AA	1,217,643	02/27/17	Schneider	204	271	
	AB	1,862,663	06/14/32	Curtis			
	AC	2,468,357	04/26/49	Brown	204	248	
	AD	2,658,033	11/03/53	Ferris	204	152	
	AE	2,864,750	12/16/58	Hughes, Jr. et al.	204	149	
	AF	3,095,365	06/25/63	Green	204	229	
	AG	3,523,891	08/11/70	Mehl	210	44	
	AH	3,654,119	04/04/72	White et al.	204	228	
	AI	3,728,245	04/17/73	Preis et al.	204	275	
	AJ	3,819,504	06/25/74	Bennett	204	289	
	AK	3,865,710	02/11/75	Phipps	204	228	
	AL	3,925,176	12/09/75	Okert	204	152	
	AM	3,943,044	03/09/76	Fenn, III et al.	204	149	
	AN	4,017,375	04/12/77	Pohto	204	255	
	AO	4,061,556	12/06/77	Reis et al.	204	271	
	AP	4,107,021	08/15/78	Okazaki	204	263	
AS	AQ	4,119,517	10/10/78	Hengst	204	229	
FOREIGN PATENT DOCUMENTS							
		DOCUMENT NUMBER	DATE	COUNTRY	TRANSLATION YES NO		
AS	AR	105,641	05/25/17	Great Britain			
AS	AS	2.150.168	03/30/73	France			
OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)							
AS	AT	AWS Application Sheet, "Improved Poultry Production with Purified, Hyper-Oxygenated Water" (May 1988)					
EXAMINER A. Pharo				DATE CONSIDERED 6/14/04		RECEIVED APR 19 2002 TC 1700	

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AJP	AU	4,119,520	10/10/78	Paschakarnis et al.	204	276	
	AV	4,132,620	01/02/79	Nidola et al.	204	242	
	AW	4,160,716	07/10/79	Wiseman	204	270	
	AX	4,180,445	12/25/79	Bennett et al.	204	129	
	AY	4,312,736	01/26/82	Menth et al.	204	255	
	AZ	4,385,973	05/31/83	Reis et al.	204	149	
	BA	4,419,206	12/06/83	Frame	204	228	
	BB	4,425,216	01/10/84	Neymeyer	204	270	
	BC	4,436,601	03/13/84	Branchick et al.	204	149	
	BD	4,451,341	05/29/84	Miller	204	149	
	BE	4,481,096	11/06/84	Okazaki	204	265	
	BF	4,528,083	07/09/85	LaConti et al.	204	265	
	BG	4,572,775	02/25/86	Paniagua	204	229	
	BH	4,623,436	11/18/86	Umehara	204	149	
	BI	4,639,303	01/27/87	Staab et al.	204	258	
	BJ	4,761,208	08/02/88	Gram et al.	204	95	
AJP	BK	4,781,805	11/01/88	Dahlgren	204	149	

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	TRANSLATION
AJP	BL	WO 87/01690	03/26/87	PCT	
	BM	XP-002191431	10/23/92	Abstract Only	X

OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)

AJP	BN	The Advanced Water Systems Incorporated, "The Water Technologies," company brochure regarding information on various products to improve water quality, different types of water systems and current technology, September 30, 1993.

EXAMINER

A. Phasge

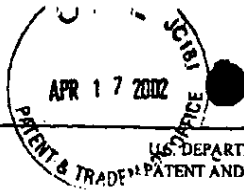
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AP	BO	4,783,246	11/08/88	Langeland et al.	204	95	
	BP	4,784,735	11/15/88	Sorenson	204	98	
	BQ	4,790,914	12/13/88	Sorenson	204	98	
	BR	4,797,182	01/10/89	Beer et al.	204	14.1	
	BS	4,839,007	06/13/89	Kötz et al.	204	149	
	BT	4,917,782	04/17/90	Davies	204	152	
	BU	4,936,979	06/26/90	Brown	210	85	
	BV	5,062,940	11/05/91	Davies	204	228	
	BW	5,100,502	03/31/92	Murdoch et al.	156	643	
	BX	5,292,412	03/08/94	Pitton	204	149	
	BY	5,324,398	06/28/94	Erickson et al.	204	149	
	BZ	5,328,584	07/12/94	Erickson et al.	204	229	
	CA	5,389,214	02/14/95	Erickson et al.	204	149	
	CB	5,427,667	06/27/95	Bakhir et al.	204	260	
	CC	5,460,702	10/24/95	Birkbeck et al.	204	149	
	CD	5,728,287	03/17/98	Hough et al.	205	743	
AP	CE	5,759,384	06/02/98	Silveri	205	743	

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	TRANSLATION	
					YES	NO
AP	CF	0 537 526 A1	04/21/93	EP		
AP	CG	WO 95/21795	08/17/95	PCT		

OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)

AP	CH	Weltzien, Erika, "Water Quality for Poultry," in World Poultry Congress, Canada Poultryman (May 2000)				
EXAMINER A. Phares				DATE CONSIDERED 6/14/04		

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Sheet 4 of 4

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AB	CI	5,876,575	03/02/99	Kump	204	197	
	CJ	5,911,870	06/15/99	Hough	205	701	
	CK	5,919,374	07/06/99	Harvey et al.	210	753	
	CL	5,928,503	7/27/99	Shang-Chun	210	86	
AB	CM	5,993,669	11/30/99	Fulmer	210	716	

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	TRANSLATION	
					YES	NO
AB	CN	0 711 730 A1	05/15/96	EP		
	CO	WO 98/04502	02/05/98	PCT		
	CP	WO 98/46532	10/22/98	PCT		
	CQ	WO 99/16715	04/08/99	PCT		
	CR	WO 99/24369	05/20/99	PCT		
AB	CS	1 074 515 A2	02/07/01	EP		

OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)

EXAMINER

A. F. Hesse

DATE CONSIDERED

6/14/04

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